

5137872



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

C10-OH
Job Sheet OH187787



Part No: C10-OH

Job Qty: 1 ea

Part Name: C-Series Remote Hook 10,000 lbs Lift Capacity



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 12/17/18

Job Tracking No: RA500

Due Date: 12/28/18

Created By: Michelle Gagnon-Donovan

Type: Rework - OH

Description: SN: 03-15210-05

Note: O&OPM-C10 REV.4 IPP REV:A 18.01.30 NEW ISSUE DD VERF:DP

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Start up Operation	1 Ea		12/28/18	0.00	0.00	Start Up Small Fab-4		mt 18.12.17
110	Small Fab	1 pcs		12/28/18	0.00	1.00	Small Fab-9		AP 18.12.17
120	QC	1 pcs		12/28/18	0.00	0.00	QC5		8.00.00
130	Customer Acceptance	1 pcs		12/28/18	0.00	0.00	Not required		
140	Outsource	1 pcs		12/28/18			SKY002-VC		19-1-7
150	Packaging	1 pcs		12/28/18	0.00	0.00	Packaging2		JAN 14 2019
155	Outsource	1 pcs		12/28/18			GRO002-VC		JAN 14 2019
160	QC	1 pcs		12/28/18	0.00	0.00	QC6		38
170	Small Fab	1 pcs		12/28/18	0.00	1.00	Small Fab-9		21
180	QC	1 pcs		12/28/18	0.00	0.00	QC5		21
185	DC	1 pcs		12/28/18	0.00	0.00	DC		21
190	Packaging	1 pcs		12/28/18	0.00	0.00	Packaging3-2		21
200	QC21-FG	1 Ea		12/28/18	0.00	0.00	QC21		21

Part Op 110 - TEST ASSEMBLY. DISASSEMBLE ASSEMBLY. INSPECT DAMAGE PART.

Descriptions: 170 - RE-ASSEMBLE. ***All assembly to be done in accordance with manual*** TEST ASSEMBLY.

185 - Photocopy blue file and create labels

140 - 8x11 - P0042176

155 - Outsource, Groupe Altech - CC-19-01-14 P004254

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
C10-AR	C-Series Remote Hook 10,000 lbs Lift Capacity	1 Ea (1 ea)	100-Start up Operation	5048557
188-FPSS-1/4-20-3/8	Set Screw	2 Ea (2 ea)	170-Small Fab	5110495 50587 50
188-FPSS-1032-1/4	Set Screw	2 Ea (2 ea)	170-Small Fab	5049355
188-SHCS-1032-3/4	Bolt	8 Ea (8 ea)	170-Small Fab	5049575
2595K2	Heat Shrink	1 ft (1 ea)	170-Small Fab	5089146
32446	Crimp Terminal	2 Ea (2 ea)	170-Small Fab	5041078
32448	16-14 AWG Knife Connector	2 Ea (2 ea)	170-Small Fab	S
600.1309	CANAM Plate ID Label	1 Ea (1 ea)	170-Small Fab	
600.1347	C10 Warning Label	1 Ea (1 ea)	170-Small Fab	
AN4-23A	Bolt	2 Ea (2 ea)	170-Small Fab	F123434
AN6-31A	Bolt	6 Ea (6 ea)	170-Small Fab	5090806
C10-1	Side Plate Solenoid Side	1 Ea (1 ea)	170-Small Fab	5103380
C10-10-1 -P0	Actuator Shaft	1 Ea (1 ea)	170-Small Fab	5125620

Plex 12/17/18 10:17 AM Dart.Gagnon.Michelle

C10-10-2	Actuator Pin	1 pcs (1 ea)	170-Small Fab	S118669
C10-10-3	Actuator Bushing	2 pcs (2 ea)	170-Small Fab	S082408
C10-11	Manual Release Knob	1 Ea (1 ea)	170-Small Fab	
C10-12	Solenoid	1 Ea (1 ea)	170-Small Fab	S103924
C10-12-0	Solenoid	1 Ea (1 ea)	170-Small Fab	
C10-12-1	Spring Pin	1 pcs (1 ea)	170-Small Fab	
C10-2	Side Plate - MRK	1 Ea (1 ea)	170-Small Fab	S103735
C10-21-1	Clock Spring	2 pcs (2 ea)	170-Small Fab	
C10-21-2	Spring Cover	2 Ea (2 ea)	170-Small Fab	
C10-21-4	Lock Washer	8 Ea (8 ea)	170-Small Fab	S089140
C10-22	Lock Bumper	3 Ea (3 ea)	170-Small Fab	S144749
C10-23	Keeper Weldment	1 Ea (1 ea)	170-Small Fab	S097495
C10-23-1	Keeper Spacer	1 Ea (1 ea)	170-Small Fab	S029200
C10-23-2	Keeper Spring	1 pcs (1 ea)	170-Small Fab	S060601
C10-23-3	Keeper Bushing	2 Ea (2 ea)	170-Small Fab	① S029201 ② S147252
C10-3	Load Beam Bumper	1 Ea (1 ea)	170-Small Fab	S096426
C10-4	Lock	1 Ea (1 ea)	170-Small Fab	S116489
C10-4-10	Spring Anchor Pin	2 pcs (2 ea)	170-Small Fab	S068047
C10-4-11	Lock Shaft	1 Ea (1 ea)	170-Small Fab	S090251
C10-4-2	Lower Lock Roller	1 Ea (1 ea)	170-Small Fab	S029210
C10-4-3	Upper Lock Roller	1 Ea (1 ea)	170-Small Fab	S029212
C10-4-4	Upper Lock Roller Shaft	1 Ea (1 ea)	170-Small Fab	S029213
C10-4-5	Lower Lock Roller Shaft	1 Ea (1 ea)	170-Small Fab	S029214
C10-4-6	Lock Spring	1 pcs (1 ea)	170-Small Fab	S08048
C10-4-7	Spring Retaining Pin	1 pcs (1 ea)	170-Small Fab	S029216
C10-4-8	Lock Bushing	2 Ea (2 ea)	170-Small Fab	S074860
C10-4-9	Upper Roller DU Bearing	1 pcs (1 ea)	170-Small Fab	S029218
C10-41	Strain Relief Connector	1 Ea (1 ea)	170-Small Fab	S066777
C10-5A	Load Beam Assembly	1 Ea (1 ea)	170-Small Fab	
C10-7	Locating Pin	3 pcs (3 ea)	170-Small Fab	S101822
C10-8	Trunnion Bushing	2 Ea (2 ea)	170-Small Fab	S125590
C10-9-1	Latch	1 Ea (1 ea)	170-Small Fab	S099191
C10-9-2	Latch Bearing	1 Ea (1 ea)	170-Small Fab	S093405
C10-9-4	Latch Shaft Bearing	2 Ea (2 ea)	170-Small Fab	S125643
C10-9-5	Latch Pin	1 Ea (1 ea)	170-Small Fab	S110001
C10-9-6	Latch Return Spring	2 Ea (2 ea)	170-Small Fab	S080841
C2-14-2	Label Rivets	2 Ea (2 ea)	170-Small Fab	
C3-12-6	Lock Roller Pin Circlip	2 Ea (2 ea)	170-Small Fab	S072853
C45-12-6	Retaining Ring	2 Ea (2 ea)	170-Small Fab	S088946
C45-8-4	Solenoid Cover Gasket	1 Ea (1 ea)	170-Small Fab	S122623
C45-8-5	Solenoid Cover	1 Ea (1 ea)	170-Small Fab	
EL-PLUG-M	3-Prong Male Spade Plug	1 Ea (1 ea)	170-Small Fab	
EL314-SJTOW	Long Line Electrical Wire, 14/3 Gauge	1 ft (1 ea)	170-Small Fab	S047767
MS21044N6	Nut, Self-Lock .375-24, UNJF-3B	6 Ea (6 ea)	170-Small Fab	S099740
MS21083N4	Nut	2 Ea (2 ea)	170-Small Fab	S062621
MS27039-4-08	Screw	1 Ea (1 ea)	170-Small Fab	
NAS1149F0432P	Washer	2 Ea (2 ea)	170-Small Fab	S050051
NAS1149F0463P	Washer	3 Ea (3 ea)	170-Small Fab	S056461
NAS1149F0632P	Washer	12 Ea (12 ea)	170-Small Fab	
NAS1149F0663P	WASHER	12		S051477-2
AN 24A	BOLT	2		S130326
MS27039-4-10	SCREW	1		SFM135603.1

Loctite 620 (M138933)
 Loctite 242 (M138766)
 Grease AeroShell (M138724)
 Saf-t-eye (M128063)
 Silicone Gre (Mk 38942)



Container No: S137872



Part: C10

Job No: OH187787

Serial No/Batch: 03-15210-05

Revision: 4

Inspector:

Exp Date:

Instructions:

Dart Aerospace Ltd.
 1270 Aberdeen Street
 Hawkesbury, ON K6A 1K7
 CANADA
 TEL: 1 613 632-5200
 Email: sales@dartaero.com
 www.dartaerospace.com

Date: 01/31/19

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Start up Operation	C10	1	0	0
170-Small Fab	188-FPSS-1/4-20-3/8	2	134	0
	188-FPSS-1032-1/4	2	238	0
	188-SHCS-1032-3/4	8	306	0
	2595K2	1	22	0
	32446	2	869	0
	32448	2	127	0
	600.1309	1	0	0
	600.1347	1	16	0
	AN4-23A	2	700	0
	AN6-31A	6	51	0
	C10-1	1	8	0
	C10-10-1	1	2	0
	C10-10-2	1	100	0
	C10-10-3	2	15	0
	C10-11	1	10	0
	C10-12	1	8	0
	C10-12-0	1	10	0
	C10-12-1	1	97	0
	C10-2	1	8	0
	C10-21-1	2	54	0
	C10-21-2	2	18	0
	C10-21-4	8	285	0
	C10-22	3	7	0
	C10-23	1	7	0
	C10-23-1	1	51	0
	C10-23-2	1	35	0
	C10-23-3	2	0	0
	C10-3	1	19	0
	C10-4	1	10	0
	C10-4-10	2	90	0
	C10-4-11	1	21	0
	C10-4-2	1	0	0
	C10-4-3	1	0	0
	C10-4-4	1	0	0
	C10-4-5	1	0	0
	C10-4-6	1	17	0
	C10-4-7	1	13	0
	C10-4-8	2	17	0
	C10-4-9	1	12	0
	C10-41	1	32	0
	C10-5A	1	12	0
	C10-7	3	157	0
	C10-8	2	4	0
	C10-9-1	1	22	0
	C10-9-2	1	5	0
	C10-9-4	2	7	0
	C10-9-5	1	19	0
	C10-9-6	2	18	0
	C2-14-2	2	196	0
	C3-12-6	2	43	0
	C45-12-6	2	124	0
	C45-8-4	1	16	0
	C45-8-5	1	22	0
	EL-PLUG-M	1	51	0
	EL314-SJTOW	1	320	0
	MS21044N6	6	46	0
	MS21083N4	2	180	0
	MS27039-4-08	1	229	0
	NAS1149F0432P	2	1,252	0
	NAS1149F0463P	3	679	0
	NAS1149F0632P	12	480	0

Part Specifications

Specifications could not be found.

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: <u>OH 187787</u> Part No. <u>C series hooks</u>	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS <table style="width:100%;"> <tr> <td>Skid-tube ☐</td> <td>Cross tube ☐</td> <td>Eng. (Non-AW) ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Water Jet ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Supplier Quality ☐</td> </tr> </table>			Skid-tube ☐	Cross tube ☐	Eng. (Non-AW) ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Water Jet ☐	Large Fab ☐	Finishing ☐	Rec/Store/Packaging ☐	Supplier Quality ☐																																
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Date : <u>2019/01/30</u>	Sequence #:	QTY Affected :		MRB (QSI042) <i>M. Lee</i> Sept 5, 2018																																												
Description Work Order Deviation		Disposition																																														
Solenoid cover does not fit flush against surface of side plate. (applicable to all cargo hook models)		It is acceptable to install a Stainless Steel Shim that has the same profile as the Solenoid Cover Gasket in order to allow the solenoid cover to sit flush. Install a gasket on both sides of the shim Ensure solenoid cover fasteners are appropriate length and are in safety		Completed By <u>ALAN PATRY</u>																																												
				Lead hand / Supervisor																																												
				QC / QA Coordinator																																												
Root Cause <table style="width:100%;"> <tr><td>Operator</td><td>☐</td></tr> <tr><td>Manufacturing Process</td><td>☐</td></tr> <tr><td>Equip/Tooling</td><td>☐</td></tr> <tr><td>Handling/Preservation</td><td>☐</td></tr> <tr><td>Material</td><td>☐</td></tr> <tr><td>Product Improvement</td><td>☐</td></tr> <tr><td>Process Improvement</td><td>☐</td></tr> <tr><td>Human Factors</td><td>☐</td></tr> </table>		Operator	☐	Manufacturing Process	☐	Equip/Tooling	☐	Handling/Preservation	☐	Material	☐	Product Improvement	☐	Process Improvement	☐	Human Factors	☐	FAULT CATEGORY <table style="width:100%;"> <tr> <td>☐ Pressure/Forced</td> <td>☐ Contamination</td> <td>☐ Power Loss/Surge</td> <td>☐ Positioned Wrong</td> </tr> <tr> <td>☐ Bending</td> <td>☐ Misaligned/off center</td> <td>☐ Folio/Program</td> <td>☐ Outside Tolerance</td> </tr> <tr> <td>☐ Crushing</td> <td>☐ BOM/Route</td> <td>☐ Grain Direction</td> <td>☐ Drawing</td> </tr> <tr> <td>☐ Cracks</td> <td>☐ Broken/Damage/Defect</td> <td>☐ Weld</td> <td>☐ Finish</td> </tr> <tr> <td>☐ Crimp/Kink/Ripple/Wave/Twist</td> <td>☐ Incomplete/Unclear Instructions</td> <td>☐ Wrong Stock Pulled</td> <td>☐ Part Lost/Missing</td> </tr> <tr> <td>☐ Marks/Chatter</td> <td>☐ Drill Holes</td> <td>☐ Out of Sequence</td> <td>☐ Misread</td> </tr> <tr> <td>☐ Mislabeled</td> <td>☐ Fit/Function</td> <td>☐ Off-set/Set-up</td> <td></td> </tr> </table>			☐ Pressure/Forced	☐ Contamination	☐ Power Loss/Surge	☐ Positioned Wrong	☐ Bending	☐ Misaligned/off center	☐ Folio/Program	☐ Outside Tolerance	☐ Crushing	☐ BOM/Route	☐ Grain Direction	☐ Drawing	☐ Cracks	☐ Broken/Damage/Defect	☐ Weld	☐ Finish	☐ Crimp/Kink/Ripple/Wave/Twist	☐ Incomplete/Unclear Instructions	☐ Wrong Stock Pulled	☐ Part Lost/Missing	☐ Marks/Chatter	☐ Drill Holes	☐ Out of Sequence	☐ Misread	☐ Mislabeled	☐ Fit/Function	☐ Off-set/Set-up	
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Other/Details:																																																

Inspection Sheet Complete RA500

Customer QA Ref #

0

Part Number	Batch / Serial #	Quantity	Part Complete	Rev/CHG Current	New Paperwork	New Labels	Disposition	Work order #	Work order instructions
C10	03-15210-05	1	☒ Yes	☐ Yes	☐ Yes	☐ Yes	CUSTOMER SUPPLIED	S133963	Overhaul
SWA10A-2	03-4357-05	1	☒ Yes	☐ Yes	☐ Yes	☐ Yes	CUSTOMER SUPPLIED	S137802	Overhaul
0		0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			
0		0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			
0		0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			
0		0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			

QC Approval: _____ 0

Date: 0-Jan-00 _____



Overhaul Incoming Inspection
C10 Cargo Hook

Customer

BA500 / 04187787

Date

2018/12/19

Part Number

Serial Number

03-15210-05

Additional Recommended Replacement Parts

Part Number to Replace

Customer Approval

(1) C10-12 SELENOID

☐

(1) C10-9-1 LATCH

☐

(1) C10-4 LOCK

☐

(1) C10-4-5 LOWER LOCK ROLLER SHAFT

☐

(1) C10-4-3 UPPER LOCK ROLLER

☐

(1) C10-4-2 LOWER LOCK ROLLER

☐

(1) C10-10-1 ACTUATOR SHAFT

☐☐☐☐

Inspected By

ALAIN PATRY



Remote Cargo Hook Test Form

C10

PRETEST

Work Order

0H187787

Customer

RA 500

Serial Number

03-15210-05

Date

2018-12-18

# of Releases	Load (Lbs.)	Release Method	Remarks	Result	Pass/fail
1	25,000	Static Hold	Hold for two Minutes and reduce load to zero	N/A	Pass
10	5,000	Electircal, 25 volts	No "hang ups" permitted	N/A	Fail
2	10,000	Electircal, 22 volts	Current shall not exceed 12.4A	Amp.	
2	7,500	Electircal, 22 volts	Current shall not exceed 12.4A	Amp.	
2	5,000	Electircal, 22 volts	Current shall not exceed 12.4A	Amp.	
2	2,500	Electircal, 22 volts	Current shall not exceed 12.4A	Amp.	
2	500	Electircal, 22 volts	Current shall not exceed 12.4A	Amp.	
1	10,000	Electircal, 20 volts	Current shall not exceed 11.3A	Amp.	
1	10,000	Electircal, 28 volts	Current shall not exceed 15.8A	Amp.	
1	10,000	Manual		N/A	
1	10,000	Impact Test	Impact shackle 10 times, shall not release	N/A	
1	N/A	Solenoid Ohms	Shall not exceed 1.7-2.0 Ohms	Ohms	
1	N/A	Electircal Continuity	Across both wires	N/A	

Test Conducted By

Michel Lalonde

Technician

Signature:

QC 5 Small FAB / QA**Submit**

INVOICE

UI HELICOPTER CO., LTD.

SAPKYO P.O BOX 11.YESAN-KUN.CHUNG NAM 34215.KOREA
TELEPHONE:(041)337-1991/5 FAX:(041)337-1996
SEOUL :(02) 585-1881/8 FAX:(02) 587-1881

SHIP TO : Dart Aerospace
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
CANADA
TEL : 1-613-632-3336

ATTN : Mr. Ernest Guo

INVOICE NO.	18-1054		
DATE	NOV. 19 '18	PAGE	1 OF 1
L / C NO.			
CONTRACT NO.			
TERMS			
B/L OR AWB NO.			
ORDER NIMBER			
REMARKS	RMA # 10458		

PORT OF LOAD/DEST	SHIPPED VIA	FREIGHT	NO. OF CTNS	DIMENSION	WEIGHT	
					NET	GROSS
ICN / YUL	AIR	PREPAID	1 CTN	61X55X66Cm	33.0KG	57.0KG

ITEM NO.	PART NUMBER AND DESCRIPTION	U/M	ORDER Q'TY	Q'TY	U/P	AMOUNT
01	C10 CARGO HOOK (USED) S/N 03-15210-05 *Above part was manufactured in US. *Above part is returning for OVHL. *Value shown above is Korean Customs purpose only. ** PACKAGE DETAILS ** 61X55X66Cm 57.0KG	EA		1	\$10,000.00	\$10,000.00 (NCV)
					TOTAL	\$10,000.00

UIHC

AUTHORIZED BY :

D B. Byun
(Don Bok, Byun / SPARE MANAGE

PACKING LIST

UI HELICOPTER CO., LTD.

SAPKYO P.O BOX 11.YESAN-KUN.CHUNG NAM 34215.KOREA
TELEPHONE:(041)337-1991/5 FAX:(041)337-1996
SEOUL :(02) 585-1881/8 FAX:(02) 587-1881

SHIP TO : Dart Aerospace
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
CANADA
TEL : 1-613-632-3336

ATTN : Mr. Ernest Guo

INVOICE NO.	18-I054		
DATE	NOV. 19 '18	PAGE	1 OF 1
L / C NO.			
CONTRACT NO.			
TERMS			
B/L OR AWB NO.			
ORDER NIMBER			
REMARKS	RMA # 10458		

PORT OF LOAD/DEST	SHIPPED VIA	FREIGHT	NO. OF CTNS	DIMENSION	WEIGHT	
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ICN / YUL	AIR	PREPAID	1 CTN	61X55X66Cm	33.0KG	57.0KG

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					TOTAL	\$10,000.00

UIHC

AUTHORIZED BY :

D. B. Byun
(Don Bok, Byun / SPARE MANAGE

RETURN AUTHORIZATION



RA #:

RA500

Date:

November 15, 2018

Attention:

To whom it may concern

E-mail:

0

From:

Jennifer Renwick

RETURN ADDRESS

☒ Hawkesbury Dart Aerospace Ltd 1270 Aberdeen Street Hawkesbury, ON K6A 1K7, CA 1-613-632-3336	☐ Vista Dart Aerospace Ltd. 3030 Enterprise Court, Suite A Vista, CA 92081-8347, US 1-760-724-5300	☐ Eugene Dart Aerospace Ltd. 190 S. Danebo Avenue Eugene, OR 97402, US 1-541-344-9953
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SHIPPING

Courier:	Customer Choice
Account #:	Customers Account

COMMERCIAL INVOICE INFORMATION

Item #1		Item #2	
P/N:	C10	P/N:	0
Description:	Hook	Description:	0
Qty:	1	Qty:	0
Flown:	Yes	Flown:	0
Customs Value USD:	\$500	Customs Value USD:	\$0
Batch / Serial #	TBA	Batch / Serial #	0
Item #3		Item #4	
P/N:	0	P/N:	0
Description:	0	Description:	0
Qty:	0	Qty:	0
Flown:	0	Flown:	0
Customs Value USD:	\$0	Customs Value USD:	\$0
Batch / Serial #	0	Batch / Serial #	0
Item #5		Item #6	
P/N:	0	P/N:	0
Description:	0	Description:	0
Qty:	0	Qty:	0
Flown:	0	Flown:	0
Customs Value USD:	\$0	Customs Value USD:	\$0
Batch / Serial #	0	Batch / Serial #	0

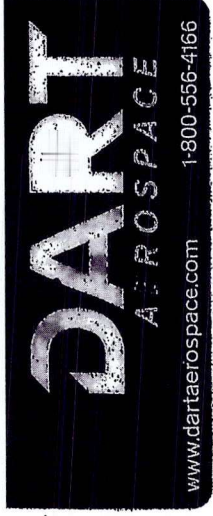
ADDITIONAL RETURN AUTHORIZATION INFORMATION

- Print RA form, complete Part Disposition section and include a copy with the shipment.
- Ensure the RA number is referenced on all documents. Failure to do so may result in delivery refusal.
- Ensure the shipment is directed to the correct facility referenced above. Failure to do so will result in delays and additional shipping costs.
- Commercial invoice must include the following statement: "Parts are aircraft parts being returned to the manufacturer."
- International shipments require commercial invoice attached to the outside of the box.
- Where applicable, the original Release Certificate, STC's, Installation Instructions, Maintenance Manual Supplement, Flight Manual Supplement, packing slips and removable tag must accompany the shipment.
- Return authorization expires in 30 days. If no charge products were supplied, these will be invoiced upon expiration of the RA.
- Returned items will be fully inspected by Quality Control and credit will be issued for items deemed to be new, un-flown, traceable and to the current revision.
- A 15% minimum restocking fee applies, additional fees may apply upon receipt and inspection if items require rework or cannot be returned to stock
- Items should be adequately packaged to prevent shipping damage.
- For complete terms & conditions, visit www.dartaerospace.com

PART DISPOSITION (To be completed and returned by customer)

Reason for return:

H:\Forms\Quality Assurance\approved QA Online\RA revK



DATE: 2019/01/03

N.D.T

MODEL: C10

S/N : 03-15210-05

Job : OH187787 RA.# 500

P/N	DESCRIPTION	QUANTITY
C10-1 ✓	SIDE PLATE SEL. SIDE ✓	1
C10-2 ✓	SIDE PLATE KNOB SIDE ✓	1
C10-5A	LOAD BEAM ASSY ✓	1
C10-9-5 ✓	LATCH SHAFT ✓	1
C10-4-4 ✓	UPPER LOCK ROLLER SHAFT ✓	1
C10-4-11 ✓	LOCK SHAFT ✓	1

ALAN PATRY



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO042176



Supplier: SKY002-VC
Skyservice
6120 Midfield Road
Mississauga
ON
L5P 1B1 Canada
Phone: 905-678-5636
Fax: 905-678-5841

PO No: PO042176
PO Date: 1/7/19
Due Date: 1/14/19
Purchase Order Revision:
Revision Date:
Ship-To Contact: Tsimiklis, ChrisoulaPhone:

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pynt Terms: Net 30
Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
①	OH187787	C10-OH	C-Series Remote Hook 10,000 lbs Lift Capacity	Firmed	-	1/14/19	1 pcs	0 pcs	1 pcs	\$106.00/pcs	\$106.00
②	OH187791	SWA10A- 2-OH	Electric Swivel 10,000 lb Safe Work Load (4,536 Kg)	Firmed	-	1/14/19	1 pcs	0 pcs	1 pcs	\$106.00/pcs	\$106.00
③	185530	D3011-1B	Rappel Slide Bar : Various STCs 1- LPI AS PER ASTM 1417 LEVEL 2 AS PER DWG D3011 2- Certificate of conformity is required	Firmed	-	1/14/19	4 pcs	0 pcs	4 pcs	\$106.00/pcs	\$424.00
Grand Total:											\$636.00

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retension of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

**skyservice****Work Order Traveler**
Sky Service F.B.O. Inc.

10105 Ryan Avenue, Dorval, Quebec, H9P 1A2

TCCA AMO 53-89 / EASA 145.7142 / BDA AMO 385

WO #: MWO38823	Customer: Dart Aerospace Ltd.	Dept: NDT YUL	Reference: PO042176 ✓
Descr:	PN:	S/N:	Qty: 1
Make:	Model:	Reg:	A/C S/N:
TSN:	CSN:	TSO:	
Task: UNSCHEDULED			Sequence: 1

Work Required:**CARRY OUT NDT ON:**

✓ 1 C-SERIES REMOTE HOOK , P/N# C10-OH , J/S# OH187787 ✓

✓ 1 ELECTRIC SWIVEL , P/N SWA10A-2-OH , J/S# OH187791 ✓

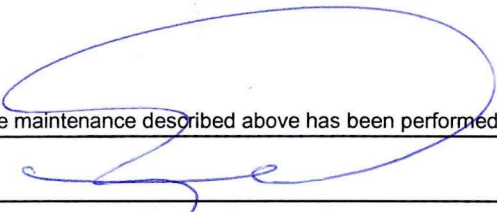
✓ 4 RAPPEL SIDE BAR , P/N# D3011-1B , J/S# 185530 ✓

Action Taken:	Date:	Initial/Stamp:
LPI/MPI INSPECTION CARRIED OUT AS PER ASTM E-1417M-16 & ASTM E-1444M-16 ***NO CRACK FOUND*** PEN ZL-37, MPO13139, CLEANER SKC-S MPO15030, EMU.(ZR-10B, MPO15896), DEV. MPO15030, UV LIGHT M-20142. MAGBENCH S/N 208123 CAL DUE: 05-APR-2019 POWDER 14A BATCH# MPO13600 CARRIER II BATCH# MPO13923 BLACK LIGHT-M20186	JAN 10 2019	 

DAS
38
9-89

Description	Location	P/N	Qty	Batch	S/N Off	S/N On

I certified that the maintenance described above has been performed in accordance with the applicable standard of airworthiness.

Signature: 	ACA/SCA Stamp 	Date: JAN 10 2019
Name: RAFIK MELIKIAN		



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO042254



Supplier: GRO002-VC
Group Altech
2455 Halpern
St Laurent
QC
H4S 1N9 Canada
Phone: 514-335-3666
Fax: 514-335-3868

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO042254
PO Date: 1/14/19
Due Date: 1/21/19
**Purchase Order
Revision:**
Revision Date:
Ship-To Contact: Tsimiklis, ChrisoulaPhone:

Via: Ground
Pymt Terms: Net 60
Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	OH187787	C10-OH	C-Series Remote Hook 10,000 lbs Lift Capacity - Issue P/O to Groupe Altech: P/O _____ - Strip -Nickel plate, QQ-N- 290, Class 2, Grade E or F -Nickel Plate .0004- .0006 - Bake after plating - Certificate of Conformity is required	Firmed	-	1/21/19	1 pcs	0 pcs	1 pcs	\$400.00/pcs	\$400.00

1x JAN 21 2019

Grand Total: \$400.00

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 1/15/19 8:47 AM dart.tsimiklis.chrisoula



Certificat de Conformité / Certificate of Compliance

(015963-1)

2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9
Tel: 514-335-3666 Fax: 514-335-3868
www.groupaltech.com

Bon de Livraison / Packing Slip

015963 - 1

Livré à / Ship to

DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKESBURY, ON, K6A1K7
CANADA
Tel.: 613-632-5200 Fax.:

Client / Customer:

DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKESBURY, ON, K6A1K7
CANADA
BUYER:

Date expédition Ship date		Créé Par Generated By	Transport / No de Compte Courier / Acc. No.		Bon de commande Client Customer Purchase Order No.				
18-Jan-2019		Aman			042254 ✓				
#Ligne Line#	No. de Série / # Pièce Part Number / Line Item Details	Description pièce(s)	CATG. U/M	Comm. /Ordered	Exp/ Shipped	Qté NC/ NC Qty	Qté Scrap/	À venir/ Back Order	
1	C10-OH Rev. ✓	C10-OH SANDBLAST PAINT PARTS STRIP NICKEL PARTS NICKEL PLATE QQ-N-290 CLASS 2 GRADE E OR F 0.0004-0.0006 BAKE AFTER PLATING	E-NICKEL-500 LOT	1	1 ✓	0	0	0	DAS 38 9-89

Notes Additionnelles / Additional Notes

Epaisseur réelle
Actual Thickness

Inspecteur Qualité
Quality Inspector

Réçu par
Received By

Nous certifions que les pièces énumérées ci-dessus ont été traitées en conformité avec votre commande et vos spécifications et rencontrent les exigences.
Notre responsabilité financière et légale ne sera pas supérieure au montant de la facture issue.

We hereby certify that the parts listed above have been process in accordance with your purchase order and specifications and are in conformance with your requirements.
Our financial and legal responsibility will not be higher than the amount of invoice.



Remote Cargo Hook Test Form

C10

Work Order

0H 187787

Customer

RA 500

Serial Number

03-15210-05

Date

2019-1-30

# of Releases	Load (Lbs.)	Release Method	Remarks	Result	Pass/fail
1	25,000	Static Hold	Hold for two Minutes and reduce load to zero	N/A	Pass
10	5,000	Electircal, 25 volts	No "hang ups" permitted	N/A	Pass
2	10,000	Electircal, 22 volts	Current shall not exceed 12.4A	9.0 Amp.	Pass
2	7,500	Electircal, 22 volts	Current shall not exceed 12.4A	8.2 Amp.	Pass
2	5,000	Electircal, 22 volts	Current shall not exceed 12.4A	8.0 Amp.	Pass
2	2,500	Electircal, 22 volts	Current shall not exceed 12.4A	7.7 Amp.	Pass
2	500	Electircal, 22 volts	Current shall not exceed 12.4A	7.5 Amp.	Pass
1	10,000	Electircal, 20 volts	Current shall not exceed 11.3A	7.2 Amp.	Pass
1	10,000	Electircal, 28 volts	Current shall not exceed 15.8A	9.0 Amp.	Pass
1	10,000	Manual		N/A	Pass
1	10,000	Impact Test	Impact shackle 10 times, shall not release	N/A	Pass
1	N/A	Solenoid Ohms	Shall not exceed 1.7-2.0 Ohms	2.0 Ohms	Pass
1	N/A	Electircal Continuity	Across both wires	N/A	Pass

Test Conducted By

Michel Lalonde

Technician

Signature:

Sylvie Pouchet
QC 5 Small FAB / QA**Submit**